

503 Reinforcing Steel Epoxy Coating Quality Management Plan

503.1 Introduction

503.1.1 The purpose of the Reinforcing Steel Epoxy Coating Quality Management Plan is to establish the procedures for becoming pre-qualified as a source of epoxy coated reinforcing steel. The Management Plan is to assure the Utah Department of Transportation:

- (a) Epoxy coating applicator plants are capable of applying quality epoxy coatings on reinforcing steel.
- (b) Fabricators of epoxy coated reinforcement are capable of producing a quality product.

503.2 Pre-qualifications for Reinforcing Steel Epoxy Coating Applicators and/or Fabricators.

503.2.1 Applicants shall submit to the Quality Assurance (QA) Engineer, a letter requesting that it be designated as a qualified source. The letter shall include the following:

- (a) Proof the applicator plant producing the epoxy coated steel used in fabrication is currently certified as an Epoxy Coating Applicator Plant by the Concrete Reinforcing Steel Institute (CRSI).
- (b) Agrees to meet UDOT's Standard Specifications, including AASHTO M-284.
- (c) Name and phone number of the Quality Control Director at each production location who may be contacted for data, shipping information, and to whom reports of UDOT's verification tests shall be directed.
- (d) Signed by a representative having legal authority to bind the company.

503.2.2 The Epoxy Coating Applicator and/or Fabricator agrees to:

- (a) Meet UDOT's Standard Specifications, including AASHTO M-284.
- (b) Applicators must submit CRSI inspection grade sheets and notes to the QA Section within seven calendar days of receiving the results.
- (c) Make available to the QA Engineer or representative the plants quality control sampling and testing records when requested.
- (d) Fax UDOT's certificate of compliance form and mill test reports before each shipment to UDOT specification controlled projects,

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(e) Any steel on which the epoxy coating is applied is required to be from a UDOT pre-qualified source as per UDOT's Quality Management Plan: Reinforcing Steel. A list of UDOT Pre-Qualified Reinforcing Steel Manufacturers will be sent by the QA Engineer. Any changes to this list will be made in writing by the QA Engineer.

503.2.3 Notification of acceptance as a Pre-Qualified Reinforcing Steel Epoxy Coating Applicator and/or Fabricator will be made in writing by the QA Engineer.

503.3 UDOT Verification Sampling and Testing Inspections

503.3.1 The frequency of verification testing and inspections shall be determined at the discretion of the QA Engineer. Any

materials found not meeting UDOT's Standard Specifications will be rejected and an accelerated testing program will be put into effect.

- 503.3.2 Once an Applicator and/or Fabricator has been put on notice for compliance violations for not meeting UDOT's Standard Specifications or any rejected incident is recorded, an in-plant inspection program will be put in place by the QA Engineer. This inspection will be conducted a minimum of once a quarter for one year. The inspection will include an evaluation of product compliance with specifications. If an applicator and/or fabricator can not meet the Standards set by UDOT, the applicator and/or fabricator may be disqualified as a source by the QA Engineer.